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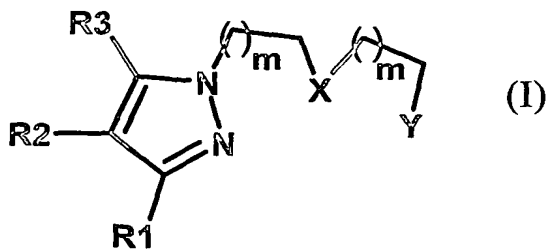
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(54) Title: BIFUNCTIONAL TRIDENTATE PYRAZOLYL CONTAINING LIGANDS FOR RE AND TC TRICARBONYL COMPLEXES



(57) Abstract: The present invention relates to a chelating agent of the general formula: (I), wherein m is 0 or 1; X is NR₄ or S; Y is SR₅, NHR₅ or P(R₅)₂; R₁ and R₃ are the same or different and are selected from H, alkyl or aryl; R₂ is H, COOH, NHR₆ or (CH₂)_nCOOR₆; R₄ is H, alkyl, aryl, (CH₂)_nCOOR₆ or (CH₂)_nOR₆; R₅ is H, alkyl, aryl, (CH₂)_nCOOR₆ or (CH₂)_nOR₆; R₆ is H, alkyl or aryl; n is 1, 2, 3, 4, 5, 6, 7, 8, 9 or 10; and when R₁=R₃=CH₃, R₂, R₄ and R₅ are not all three H. The invention further relates to a method and kit for the preparation of radiolabeled biomolecules while using the chelating agent.